

DATE: August 28, 2000

SUBJECT: American Concrete Paving Association
Summer Construction Van Tour
And Meeting Minutes

TO: All Attendees

FROM: Amar C. Bhajandas, P.E., Director
Bureau of Construction and Materials
for



The 2000 ACPA/PennDOT road tour and meeting was held on August 3 and 4, 2000, in the New Stanton area.

The following items were discussed during the tour and the follow up meeting:

- ▶ 1999 follow ups
- ▶ Concrete Pavement Quality Improvement Task Force - The concept of the task force was discussed along with the subcommittees. They are as follows:
 - OGS & ATPB - Pat Gardiner
 - CTPB - Dan Dawood
 - Mix Designs - Jerry Malasheskie
 - Edge Drains - Bob Peda
 - Truck Overloads - Dan Dawood
 - Stainless Steel Clad Dowels - Dan Dawood
 - Distress Condition Matrix - Jim Moretz
 - Deflection testing on I80 - Dan Dawood

Each subcommittee gave a report on what they are going to do.

- ▶ Ride Specifications - Discussions were held regarding IRI conversion, light weight profilers & bridge deck smoothness. Projects are currently required to measure the smoothness of bridge decks and approach slabs. PennDOT plans that in a few years, these areas will have smoothness requirements also.
- ▶ Pavement Seals - The advantages of utilizing hot pour were discussed.
- ▶ Bond breaker (Sand) on treated bases - District 8 is trying this on one project only, on an experimental basis. The standard does not call for a bond breaker and the standard is to be followed.

- ▶ **Soil stabilized subgrade and testing** - The department is evaluating various options for improved subgrade quality as part of the OGS and ATPB subcommittee.
- ▶ **Noise and texture on PCC pavements** - The current standard of uniform transverse texture was compared to other options. Various noise studies were referenced. It was recommended that this topic be added as a subcommittee to the Concrete Pavement Quality Improvement Task Force. The Department is going to change the standard to random transverse texturing.
- ▶ **Cement treated permeable base** - The special provision requires 240 pounds of cement per cubic yard. Various studies identified that this is too strong and promotes cracking. Other states have had success with mixes in the 200 to 150 category. The Bureau of Maintenance will identify the proper range for cement content and a Strike Off Letter will be issued for current projects. There is NOT a ban on cement treated permeable base.

Action items identified during the meeting are listed on the attached pages. Items 1 thru 9 are continuations from last year.

Attachment

8acpa17

cc: Hank Heck, APC
M. M. Ryan, P.E., Forum Place, 9th Floor

2000 FOLLOW UP ACTIONS

1. BOMO will change the standard to random texturing if the skid numbers in 2000 are good. Also, BOMO will evaluate revising the specification to make the texturing more shallow.
Department is going to change standard to random transverse tinning.
2. BCM will reevaluate the air criteria for PWL in Section 506.
This is to be done by January 2001.
3. BCM will see that the standard is completed for gore details.
This is to be done by January 2001.
4. BOD will include the requirement of haul roads in the design as part of constructability issues. A clearance transmittal is out to include haul roads as part of the constructability review. Industry identified that 16 feet is needed from the edge of mainline pavement.
SOL to be signed shortly.
5. BCM will pilot bridge deck smoothness specifications on some projects in 2000.
Clearance transmittal is out July 10, 2000
6. BOMO will evaluate joint spacing after the cracking study.
BOMO's current position is to evaluate 20' perpendicular joint spacing. This will likely be observed in 2-3 years.
7. BCM is to revise the subgrade specification to chock the rock fills with 2A on a tonnage basis to prevent capping the rock fills with dirt (clay).
The evaluation will be part of the CPQITF base recommendation.
8. BCM will reevaluate the special provision for bridge deck grooving.
Clearance transmittal is out. Utilizing Maryland's spacing
9. BOMO is to evaluate the need for keyways.
Keyways are based on FHWA Report (1982). Will revise RC-20 Standards for discontinuing keyways for pavements less than 10" in depth. Our target date is 10-31-00. BOMO will evaluate current conditions where keyways were not used in pavements greater than 10". Jim Kyper (New Enterprise) will identify locations and conditions.
10. BCM is to issue a strike off letter revising the pounds of cement per yard for cement treated permeable base. BOMO is to supply the numbers.

11. BCM is to set up Concrete Pavement Quality Improvement Task Force and meet on a quarterly basis.
12. BOMO is to reevaluate the standard drawing for geofabric on edge drain.
13. BOMO is to evaluate the use of hot pour transverse joints in lieu of neoprene. maintenance activities are to be included.
14. BOMO is to consider eliminating the bevel on transverse saw cuts.
15. BCM will issue a Strike Off Letter stating a bond breaker (sand) is not to be used on projects.
16. BCM will clarify footnote on Table A of Section 507.
17. BCM will consider additional smoothness levels around 35 IRI.
18. BOMO will consider the use of full size vehicles to measure smoothness.
19. BOMO will compare ride data from various projects and determine deterioration rates for both concrete and asphalt over time.
20. BOMO will adjust the standard for reinforcement and tie bar placement for patching standard.
21. BOMO is to change the texturing standard to random transverse tinning.
22. BCM is to add a noise / texturing subcommittee to the task force.
23. BCM is to provide a schedule of concrete certification courses to the industry for possible inclusion in newsletters.
24. BCM - PCPC is to schedule a concrete certification course for District 8.
25. BCM will evaluate the stake down requirements for baskets on treated bases.
26. BCM is to consider the smoothness requirement of 3/8 of an inch verse 1/2 inch on treated bases.
27. Industry is to consider the use of "Hiperpave" software.
28. BOMO is to evaluate single saw cut joints (no reservoir) for use with hot pour.

ACPA BUS TOUR

NAME	ORGANIZATION	PHONE #
Gary Hoffman	Chief Engineer	717-787-6898
Pat Gardiner	BCM	717-787-4794
Amar Bhajandas	BCM	717-787-4795
Barry Dunmire	BCM	717-787-5610
Joe Evanko	BCM	717-787-5610
Joe Jeffreys	BCM	717-787-5610
Bob Peda	BOMO	717-787-6989
Jim Moretz	BOMO	717-787-1199
Dan Dawood	BOMO	717-787-4246
Tahmine Parvin	BOMO	717-783-3161
Jeff Oswald	District 1	814-678-7109
John Fry	District 10	724-357-2863
Howard Stiffler	District 10	724-357-2813
Tom Boyle	District 10	724-357-2791
Bill Lowrey	District 12	724-439-7286
John Knapik	District 12	724-439-7253
Bill Kovack	District 12	724-439-7378
Dave Keys	District 12	724-439-7250
Dick Neville	District 2	814-861-5970
Larry Erdley	District 3	570-368-4229
Joe Karsok	District 5	610-791-6045
Frank Pékitus	District 5	610-791-6045
Lester Nace	District 8	717-787-5192
Larry Hoffman	District 8	717-787-1375
Bill Brookhart	District 8	717-787-5686
Kevin Sterns	District 9	814-696-7139
Gary Marks	District 9	814-696-7190
Zahur Siddiqui	FHWA	717-221-2290
Mike Flack	PTC	717-939-9551

NAME**COMPANY**

Dan Frentress

Andy Fertal

Tim Rice

Bill Lawrence

Brian Eberhart

Mark Patton

Tom Long

Tom Bryan

Tom Vandling

Larry Kenetski

John Roberts

Jerry Weidner

John Muir

Andy Fedorko

Steve Thompson

Kurt Schurer

John Davidyock

Bob Prisby

John Becker

Dan Tunnell

Geoff Clark

James Kyper, Jr.

Dale Brent

Robert Priest

Dan Kull

Mike Hitla

Jim Turici

Frank Adams

Paul Pasquinelli

Tom Carey

Frank Merendino

Christopher Runyan

Peter McCandless

Walter Kutsche

ACPA

ATF Consultants

Allentown Cement

Armstrong Cement

Callahan Paving

Carnegie Mellon

ESSROC

Frank Bryan

GAI Consultants

Iafrate

IGGA/ACPA

Kinsley Construction

Kinsley Construction

L. Robert Kimball

Master Builders

McTish, Kunkel

McTish, Kunkel

NEACPA

NEACPA

NEACPA

New Enterprise Stone & Lime

New Enterprise Stone & Lime

Safety Grooving and Grinding

Sanders Saws

Southdown

Southdown

Southdown

Synthetic Industries

Trans Association

Trumbull

Trumbull

Trumbull

TWA

URS Corporation

**2000 PennDOT/ACPA Concrete Tour
August 3, 4, 2000**

Name	Company	Concrete Tour 8am - 6pm	Dinner	Concrete Tour 8am - 12pm	Friday Discussion
Robert Priest	Sanders Saws			yes	
James Kyper, Jr.	New Enterprise Stone & Lime	yes			yes
John Roberts	IGGA/ACPA	yes	yes		yes
Peter McCandless	TWA	yes			
Donald Detwiler	New Enterprise Stone & Lime			yes	
Philip Kresge	PCPC	yes			yes
Tim Rice	Allentown Cement	yes	yes		yes
Jerry Weidner	Kinsley Constr.	yes	yes		yes
John Muir	Kinsley Constr.	yes	yes		yes
Joseph Julian	JJID	will not attend			
Dan Kull	Southdown	yes	yes		yes
Richard Forrestel	Cold Spring Const.	yes			yes
Dale Brent	Safety Grooving & Grinding	yes	yes		
Kurt Schurer	McTish Kunkel	yes			yes
John Davidyock	McTish Kunkel	yes			yes
Geoff Clark	New Enterprise			yes	
Walter Kutsche, PE	URS Corporation	yes			yes
Brian Eberhart	Callahan Paving	yes	yes		yes
Frank Adams	Synthetic Industries	yes	yes		yes
Andy Fedorko	L. Robert Kimball	yes			yes
Robert Toth	Keystone Cement	yes	yes		yes
Paul Pasquiball	Trans Assoc.	yes			yes
Chuck Niederiter	Golden Triangle				yes
Dan Frenress	ACPA	yes	yes		yes
Tom Long	ESROC	yes	yes		yes
Tom Bryan	Frank Bryan	yes			yes
Raymond Hoffman	CAI Consultants	yes			yes
Tom Leach	HDR Engineering	yes			
Larry Kenetski	Iarrate	yes			
Fred Chace	Iarrate	yes			
Tom Carey	Trumbull	yes			yes
Christopher Runyan	Trumbull	yes			
Frank Merendino	Trumbull	yes			yes
Jeffrey Shaffer	SAI	will not attend			
Jay Taylor	Hi-Way Paving	yes	yes		yes
Brad Allison	Hi-Way Paving	yes	yes		yes
Mark Patton	Carnegie Mellon	yes	yes		yes
Mike Hytla	Southdown	yes			
Joseph Carsok*					
Frank Pikitus*					
Gerald Breslin*					
Bill Lawrence	Armstrong Cement	yes	yes		yes
Bob Prlsby	NEACPA	yes	yes		yes
John Becker	NEACPA	yes	yes		yes
Dan Tunnell	NEACPA	yes	yes		yes